

Cabo Rojo Ground Water Contamination, Cabo Rojo, PR 2011

1. RPM & Case Team Members: Denise Zeno is the RPM. The hydro-geologist is Katherin Mishkin and the risk assessor is Rebecca Ofrane, Eco Risk Assessor, Charles Nace.

Target Completion Dates

<u>Operable Unit</u>	<u>Action</u>	<u>Date</u>
OU1	RI/FS	14/4
	ROD	14/4
	RD	15/3

2. Background: The Cabo Rojo Ground Water Contamination Superfund Site consists of a ground water plume with no identified source(s) of contamination located in Cabo Rojo, Puerto Rico. The public water system is threatened by a ground water plume that exhibits the presence of chlorinated solvents (mainly PCE and TCE). The aquifer is the main source of potable water for Cabo Rojo. The drinking water wells have been threatened with the presence of different contaminants forcing the state agencies to close about 9 wells in the last ten years, losing a valuable resource. Today the drinking water supply system consists of six wells and three of which have had detections of PCE and TCE, however these concentrations are below the MCLs.

Environmental Indicators

Human Exposure Controls	ID
GW Release Controlled	ID
(ID = Insufficient Data)	

3. Site Status:

Date of NP L Listing: 3/09/11

Federal and State Lead: Federal lead

OU1: EPA is currently initiating a remedial investigation to determine the extent of contamination and identify sources. The first phase of the RI is planned for May 2011. Ongoing Removal Assessment: Soil vapor samples were collected in an area near a suspected source, in June, 2011. High concentrations of VOCs were detected in a sub-slab soil vapor sample collected at a pre-school. Additional samples were collected in February 2012, to determine if there is a vapor intrusion problem in two pre-schools and nearby buildings. Additional samples will be collected in March 2012(soil vapor and indoor air) to further delineate any potential for vapor intrusion in nearby residences, schools and business. A draft Work Plan has been submitted by CDM. We are planning a public availability session in April. Groundwater samples from USGS and PRASA wells along with soil vapor samples at the PRIDCO Industrial Parks are scheduled to be collected this spring.

4. Target Dates and Budget Needs:

OU1: Funding obligations ERT: \$125,000 CDM: expenditure limit is 1000 PLOE and \$140,000. The proposed budget is 12,633 LOE and \$2,435,994. An increase of the project expenditure limit will be required in early May 2012 to support field investigation.

5. Potential Issues-

a. Municipal/Community/State Issues:

No issues related to this site, at this time.

b. Groundwater Issues/Sediments/ Eco-risk Issues:

No issues related to this site, at this time.

c. Uncooperative PRPs/Enforcement Issues:

No issues related to this site, at this time.

d. Remedy Implementation/Mega Site Issues:

No issues related to this site.

e. Changed Site Conditions:

No issues related to this site.

f. Treatment/Remediation Issues:

No issues related to this site.

g. Funding Issues/Resources:

Additional funds are needed to conduct the soil vapor sampling event in March and May 2012, funds to complete RI/FS and to fund an interagency agreement with USGS (see below –Item#7). The CLP program is short of funding and we may have to use external laboratories to analyze the samples impacting the site's budget and project schedule.

6. Strategy

We have been using in-house resources to find sources and extent of contamination-house resources. First phase of the RI is planned to start in May of 2011.

7. Resources Needs

Establish an interagency agreement with the USGS for assistance by providing their expertise through general consultation on the area's regional and local geology as well as hydro-geological characteristics of the area. The estimated cost for the IAG is \$20,000.